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WPI Acc No: 1996-358741/1000

XRAM Acc No: C96-083332

New 3-(substd. naphthyl or tetralinyl)oxy-1,1-dibole an
derivs - with int'l. patent no. 3,200,000

derivs. - with insecticidal and miticidal activity, useful as pesticides

Patent Assignee: SUMITOMO CHEM CO LTD (SUMO)
Inventor: NAGATOME

Inventor: NAGATOMI T; SAKAMOTO N; SUZUKI M; TSUSHIMA K; UMEDA K
Number of Countries: 066 Number of Patents: 000

Number of Countries: 066 Number of Patents: 003
Patent Family:

Patent No.

Patent No	Kind	Date	Applicant No	Kind	Date	Week	
WO 9615093	A1	19960523	WO 95JP2320	A	19951114	199626	B
AU 9538567	A	19960606	AU 9538567	A	19951114	199637	
JP 8515922	X	19971125	WO 95JP2320	A	19951114	199806	
Priority Application			JP 96515922	A	19951114		

Priority Applications (No Type Date): JP 96515922 A 19951114 199806
19941114 JP 95258986 A 19951005: JP 94270522

Cited Patents: DE 2304962; DE 2312518; GB 1420171; GB 1424211; JP 48086835; JP 49001526; JP 70188088; US 4048235; US 4061683
Patent Details:

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
WO 9615093 A1 J 252 C07C 043/00

Designated States (National): AL AM AT AU BB BG BR BY CA CH CN CZ DE DK
EE ES FI GB GE HU IS JP KE KG KR KZ LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG US UZ VN
Designated States (Regional): AT BE CH DE DK FR

MC MW NL OA PT SD SE SZ UG 9538567 AT BE CH DE DK ES FR GB GR IE IT KE LS LU

AB 9538567 A C07C-043/225 Based on patent WO 9615093
JP 8515922 X C07C-043/225, Based on patent WO 9615093
Abstract (Basic): WO 9615093

new. R1 = 5-6C cycloalkenyl, 4-9C cycloalkenyl, 6-8C cycloalkenylalkyl (all opt. subst. by 1-4C alkyl), 1-10C alkyl, 1-5C haloalkyl, 2-10C alkenyl, 2-6C haloalkenyl, 3-9C alkynyl, 3-5C haloalkynyl, 2-7C alkoxyalkyl, 2-7C alkylthioalkyl, 3-6C cycloalkyl (opt. subst. by 1-4C alkyl, 1-3C alkoxy or 1-3C haloalkyl), A, CHR4-(C(R2)(R3))i-A' or a gp. of formula (a); A' = A, B-A, B(C(R5)(R6))j-A, C(R7)=C(R8)-j-A, C(R7)=C(R8)-(C(R5)(R6))j-B-A, OCOC(R7)=C(R8)-A, OCO(C(R5)(R6))j-B-A; A = phenyl, naphthyl, or heterocyclyl (all opt. subst.); B = O, S(O)n, NR11, -CO-G- or -G-CO-; G = O or NR15; Z = O, S or NR12; Y = a gp. of formula (b) - (f), and the gp. on the left is opt. 2-bonded to Z; Ring C = benzene (opt. subst. by up to 3 gps. R) or tetrahydrobenzene; X, X' = Cl or Br; R11, R12, R15 = H or 1-3C alkyl; R2-R6 = H, 1-3C alkyl or CF3; R7, R8 = H, 1-3C alkyl, CF3 or halo; R' = halo, 1-4C alkyl, 1-3C haloalkyl, 1-3C alkoxy or 1-3C haloalkoxy; R'' = H, Me or halo; R = halo, 1-4C alkyl, 1-3C haloalkyl, 2-4C alkenyl or 2-4C haloalkenyl; p = 0-3; n = 0-2; i = 0-6; j = 1-6; k = 0-4; l = 1 or 2; m = 0-2.

Also claimed are intermediates of formula

Y' = (b)-(e) with ring C = opt. subst. benzene

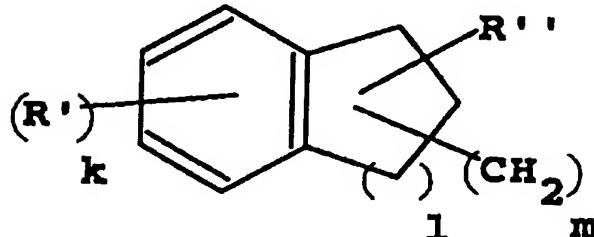
USE - Compounds (I) are insecticides and miticides. They are active against mite pests of plants and animals, and a wide range of insects, including lepidoptera, hemiptera, hymenoptera, coleoptera, siphonaptera, isoptera, diptera and orthoptera, including Agrothis, Heliothis and Epilachna spp. (I) can be used in bait, in fumigants, insect attractants, aerosols, and formulations for application to the

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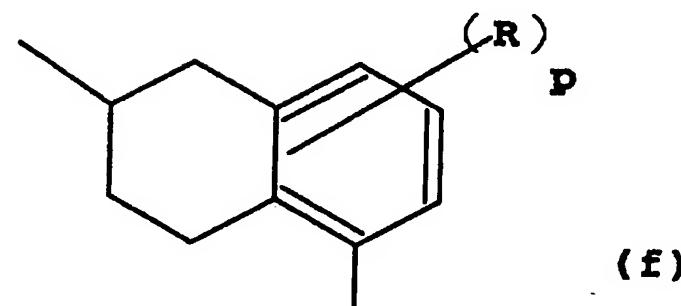
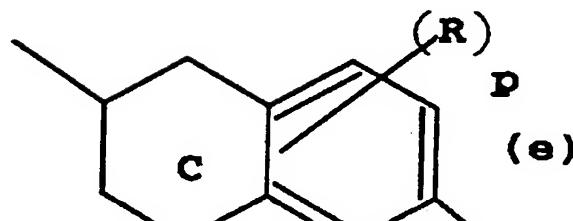
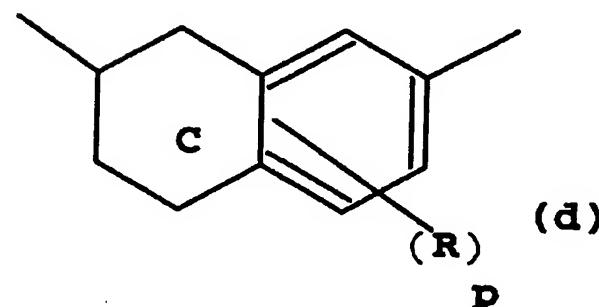
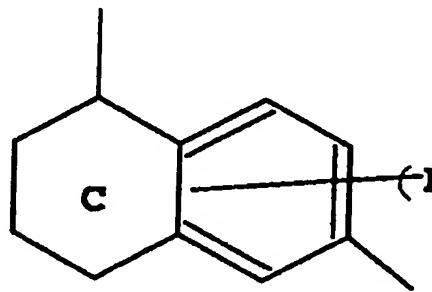
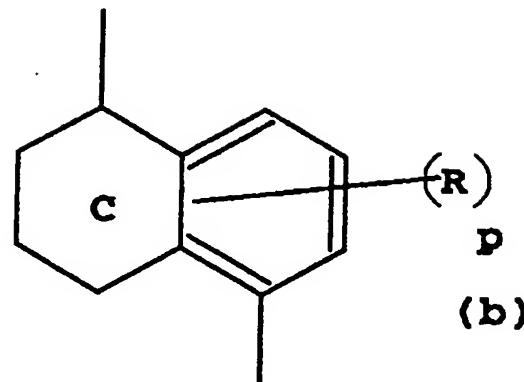
soil or water, including emulsions, granules and powders.

Applicn. rate is 0.1-100g/10a

Dwg.0/0



(a)



Title Terms: NEW; SUBSTITUTE; NAPHTHYL; TETRALINYL; OXY; DI; HALO; PROPYLENE; DERIVATIVE; INSECT; MITE; ACTIVE; USEFUL; PEST

Derwent Class: C02; C03

International Patent Class (Main): C07C-043/225

International Patent Class (Additional): A01N-031/14; A01N-033/08; A01N-037/20; A01N-043/40; C07C-043/23; C07C-069/92; C07C-217/74; C07C-217/94; C07C-233/67; C07C-323/17; C07C-323/18; C07D-213/30; C07D-213/61; C07D-213/64; C07D-213/65; C07D-213/68; C07D-213/70; C07D-213/74

File Segment: CPI

Manual Codes (CPI/A-N): C07-D04C; C10-B03A; C10-E04B; C14-B04A; C14-B04B

Chemical Fragment Codes (M2):

01 D010 D020 D040 F010 F021 G001 G002 G003 G010 G011 G012 G013 G014 G015 G016 G017 G018 G020 G021 G022 G029 G030 G031 G032 G040 G050

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Generic Compound Numbers: 9626-65401-N; 9626-65402-N; 9626-65403-N;
 9626-65404-N; 9626-65405-N